

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Shigetoshi TOMIO, et al.

Application No.:

Group Art Unit:

Filed: October 12, 2001

Examiner:

For: FLAT DISPLAY PANEL HAVING INTERNAL POWER SUPPLY CIRCUIT FOR
REDUCING POWER CONSUMPTION



INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☐ Copies of IDS citations.
- 1c. ☐ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
- 1d. ☐ English language translation (complete or relevant portion(s)) attached to each non-English language publication.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.
- 1f. ☐ List of Copending Applications (ATTACHMENT 1(f), hereto).
- 1g. ☐ List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).

2. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(b):

(Check either Item 2a or 2b or 2c or 2d)

- 2a. ☐ Within three months of the filing date of a national application other than a Continued Prosecution Application under § 1.53(d);
- 2b. ☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application.
- 2c. ☐ Before the mailing of a first Office Action on the merits; or
- 2d. ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

3. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND

(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)

- 3a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; OR
3b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
☐ enclosed.
☐ to be charged to Deposit Account No. 19-3935.

4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(d) after period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND

- 4a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; AND
4b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
☐ enclosed.
☐ to be charged to Deposit Account No. 19-3935.

5. ☐ Statement under § 1.97(e) (*applicable if Item 3a or Item 4 is checked*)
(Check either Item 5a or 5b)

- 5a. ☐ In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
5b. ☐ In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

6. ☐ This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).

(Check appropriate Items 6a and/or 6b)

- 6a. ☐ Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. ___, filed on ___, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR § 1.98(d).
6b. ☐ Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No. ___, filed on ___, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

7. ☐ This is a continuation/divisional application under 37 CFR § 1.53(d) or Request for Continued Examination under 37 CFR 1.114.
(Check either Item 7a or 7b)
- 7a. ☐ The Issue Fee has not been paid.
- 7b. ☐ A Petition to Withdraw from issue under 37 CFR §1.313(c) is filed concurrently herewith or has been granted. A continuation application under 37 CFR § 1.53(d) or Request for Continued Examination under 37 CFR 1.114, after payment of the Issue Fee is proper in accordance with 37 CFR § 1.53(d)(1)(ii) or 37 CFR 1.114(a), respectively.
8. ☐ This is a Supplemental Information Disclosure Statement.
(Check either Item 8a or 8b)
- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on _____. A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on _____.
- 8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR § 1.97 and 1.98, mailed _____. (MPEP 609 C(1), Form ¶ 6.49, Rev. 1, Feb. 2000, pp. 600-107)
9. ☐ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:
(Check appropriate Items 9a, 9b, 9c and/or 9d)
- 9a. ☐ satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office. (See U.S. Patent & Trademark Office's authorization in the Federal Register, Vol. 57, No. 12, January 17, 1992, at page 2031 (Reply to Comment 68).)
- 9b. ☐ set forth in the application.
- 9c. ☐ satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.
- 9d. ☐ enclosed as Attachment 1(e), hereto.
10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).


11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement and/or Petition to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Dated: October 12, 2001
700 Eleventh Street, N.W., Suite 500
Washington, D.C. 20001
Telephone: (202) 434-1500
Facsimile: (202) 434-1501

By: _____


H. J. Staas
Registration No. 22,010

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 122.1052CIPC2	APPLICATION NO.
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		FIRST NAMED INVENTOR Shigetoshi TOMIO, et al.	
		FILING DATE October 12, 2001	GROUP ART UNIT

11000 U.S. PTO
09/974806
10/12/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	4,123,671	10/1987	Aihara et al.			
	AB	4,288,831	09/1981	Dolikian			
	AC	4,347,509	08/1982	Hardway et al.			
	AD	4,591,914	05/1986	Hakamada et al.			
	AE	4,614,880	09/1986	Go et al.			
	AF	4,855,892	08/1989	Lower			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	AG	0 488 891	06/1992	European Patent Office				
	AH	4-195188	07/1992	Japan				
	AI							
	AJ							
	AK							
	AL							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	NANTO et al., "A 15-in. Diagonal Color Surface Discharge AC Plasma Display Panel," JAPAN DISPLAY '89, pages 202-205.
	AN	SHINODA et al., "Improvement of Luminance and Luminous Efficiency of Surface-Discharge Color ac PDP," SID 91 Digest, pages 724-727.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	BA	4,967,377	10/1990	Masuda			
	BB	4,994,719	02/1991	Lendaro			
	BC	5,003,228	03/1991	Hada et al.			
	BD	5,008,846	04/1991	Inoue			
	BE	5,036,261	07/1991	Testin			
	BF	5,051,936	09/1991	Gleason, III et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	BG						
	BH						
	BI						
	BJ						
	BK						
	BL						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	BM	YOSHIKAWA et al., "A Full Color AC Plasma Display with 256 Gray Scale," JAPAN DISPLAY '92, pages 605-608.
	BN	KANAGU et al., "A 31-in. Diagonal Full-Color Surface-Discharge ac Plasma Display Panel," SID 92 DIGEST, pages 724-727.
	BO	SHINODA et al., "Invited Address: Development of Technologies for Large-Area Color ac Plasma Displays," SID 93 DIGEST, pages 161-164.

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	CA	5,088,018	02/1991	Lee			
	CB	5,206,630	04/1993	Kim			
	CC	5,300,874	04/1994	Shimamoto et al.			
	CD	4,279,020	07/1981	Christian et al.			
	CE	4,848,876	07/1989	Yamakawa			
	CF	5,075,597	12/1991	Salavin et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	CG						
	CH						
	CI						
	CJ						
	CK						
	CL						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	CM	
	CN	
	CO	

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*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	DA	5,323,175	06/1994	Yokouchi et al.			
	DB	5,386,577	01/1995	Zenda			
	DC	5,389,952	02/1995	Kikinis			
	DD	5,454,112	09/1995	Kadono et al.			
	DE	5,465,366	11/1995	Heineman			
	DF	5,511,201	04/1996	Kamimaki et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES	NO
	DG							
	DH							
	DI							
	DJ							
	DK							
	DL							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	DM	
	DN	
	DO	

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	EA	5,548,763	08/1996	Combs et al.			
	EB	5,548,765	08/1996	Tsunoda et al.			
	EC	5,563,624	10/1996	Imamura			
	ED	5,258,828	11/1993	Sano et al.			
	EE	5,436,634	07/1995	Kanazawa et al.			
	EF	5,761,813	07/1998	Kurikko			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES	NO
	EG							
	EH							
	EI							
	EJ							
	EK							
	EL							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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	EN	
	EO	

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	FA	4,200,868	04/1980	Lamoureux et al.			
	FB	4,492,957	01/1985	Marentic			
	FC	4,550,274	10/1985	Weber			
	FD	4,692,665	09/1987	Sakuma			
	FE	5,471,228	11/1995	Ilcisin et al.			
	FF	5,661,500	03/1991	Hada et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	FG						
	FH						
	FI						
	FJ						
	FK						
	FL						

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	FM	
	FN	
	FO	

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	GA	5,629,715	05/1997	Zenda			
	GB	5,943,032	08/1999	Nagaoka et al.			
	GC	5,745,085	04/1998	Tomio et al.			
	GD	5,583,527	12/1996	Fujisaki et al.			
	GE	5,786,813	07/1998	Kurikko			
	GF	5,386,577	01/1995	Zenda			

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	GG							
	GH							
	GI							
	GJ							
	GK							
	GL							

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